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OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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World Food Prize Winner to Speak at College Park

John S. Niederhauser, winner of the 1990 World Food Prize, will be a distinguished lecturer at the university when he discusses, "Feeding the World: New Strategies for Agricultural Development While Preserving the Environment," Friday, Oct. 19 at 2 p.m. in room 1240 of the Zoology-Psychology Building.

A reception will follow in the Atrium outside the lecture hall. The public is invited to attend the lecture and reception.

Niederhauser will be presented with the World Food Prize Oct. 17 in ceremonies at the Smithsonian Institution. The prize, which includes a cash award of \$200,000, is the foremost international award to recognize, encourage and reward outstanding individual achievement in improving the world food system. It also is intended to attract talented, creative and dedicated young people to careers in food and agriculture.

The World Food Prize is the brainchild of 1970 Nobel Peace Prize laureate, Norman E. Borlaug, who will come to the university to provide introductory remarks at Niederhauser's College Park lecture.



THE WORLD FOOD PRIZE

Niederhauser will discuss the world's population explosion and the need for increasing food production while protecting the environment.

According to Niederhauser, the current world population of more than five billion people will increase to more than six billion within ten years. By the year 2100,

demographers estimate that the population should stabilize at about 12 billion.

"Ninety percent of that population will be living in what we now call the developing countries," Niederhauser says. "That will put the industrialized countries in a position where they had better develop long-term agricultural policies that take these projected figures into account. We need to become more serious about helping developing nations to produce their own food."

Niederhauser says it is possible to feed this increasing world population while preserving the environment, but doing so will require discipline and planning by all nations. "It will require efficient, intelligent use of available resources," he says. Niederhauser's lecture will focus on these and other issues.

This is the third consecutive year that a World Food Prize winner has come to College Park as a distinguished lecturer.

Niederhauser's visit to College Park is co-sponsored by the colleges of Agriculture and Life Sciences.

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John S. Niederhauser,
World Food Prize
Winner



Norman E. Borlaug,
Nobel Peace
Prize Laureate

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Equity Conference to Focus on Recruitment and Retention

The recruiting and retaining of Black faculty and staff will be the theme of the university's third annual all-day Equity Conference on Oct. 19 to be held in the Stamp Student Union from 8:45 a.m. to 5:15 p.m.

Franklyn G. Jenifer, the new president of Howard University, will be featured as the keynote speaker. A College Park alumnus with a Ph.D. in plant virology, Jenifer came to Howard from Massachusetts, where he was chancellor of the board of regents for higher education in the state. Long respected for its excellence in Black higher education, Howard University continues to be the premiere African American institution of higher learning, not only in the United States, but, because of its many international students, in the world.

The conference, designed for administrators, chairs of search committees, faculty and staff with equity and diversity responsibilities, and other interested individuals, will consider successful examples of retention and recruitment strategies, identify obstacles that act as barriers, and discuss more effective advocacy.

Ray Gillian, assistant to the president and chair of the Equity

Council, will preside at the morning session.

Other presentations will be made by a luncheon keynote panel comprised of Kathryn Costello, vice president for Institutional Advancement; J. Robert Dorfman, vice president for Academic Affairs and provost; Charles F. Sturtz, vice president for Administrative Affairs; and William L. Thomas Jr., vice president for Student Affairs. Gladys Brown, director of Human Relations, will preside.

President William E. Kirwan will make final remarks at the end of the conference. Michael Powell, campus compliance officer for the Office of Human Relations, will preside at the closing session.

The planning committee for Equity Conference III includes: co-chairs Michael Powell and Gladys Brown, Richard Ellis, Sharon Fries, Diana Jackson, Jeanette Kreiser, James Newton, William Powers, Silvia Stewart, and Ray Gillian, chair of the Equity Council.

The registration fee for the conference is \$15, which includes lunch. Those planning to attend should call through the office of their dean or vice president to register with their unit's equity officer by Oct. 8. For further information call 405-2838.



Franklyn G. Jenifer, the
new president of Howard
University, will be the
keynote speaker on Oct.
19.



Television Enters *The World of Chemistry*

The World of Chemistry, a 26-part television science course, is airing this semester on campuses and on public and cable television stations around the nation. The course was produced by the university's Department of Chemistry and Biochemistry and the Educational Film Center in Annandale, Va.

The series of half-hour programs is designed to allow students to explore basic questions of chemistry and to understand its historical foundations, present contributions, and future directions.

The late Isidore Adler, professor emeritus of chemistry at College Park, served as co-project director for the course with Nava Ben-Zvi, visiting associate professor and head of the Science Teaching Department at the Hebrew University of Jerusalem.

Adler, Ben-Zvi and Gilbert Castellon, College Park professor of chemistry, co-authored the study guide for the course. The three pro-

fessors also authored the faculty telecourse manual with Lisa Ragsdale, project manager. The Maryland chemistry professors also served on the academic team that developed the course series.

Mitchell Lifton, professor and director of the visual press on campus, Paul Mazzocchi, professor of chemistry and acting dean of the Colleges of Agriculture and Life Sciences, Adele F. Seeff, executive director of the Center for Renaissance and Baroque Studies, and Marjorie Gardner, professor emerita of chemistry at College Park, served on the academic advisory board for the series.

The World of Chemistry is the first-ever college-level telecourse in introductory chemistry that provides a complete one-semester sequence of study for non-science undergraduates. The course is designed to provide a humanistic approach to chemistry that will encourage continued interest in the

subject.

"The series is quite distinctly different from any other educational video on chemistry," says Castellon. "Other videos are oriented toward a tough look at the fundamentals of chemistry, making it seem unapproachable for many people. But *The World of Chemistry* takes a look at chemistry in the every-day world around us, such as the chemistry in stone and cement that holds up buildings. It will be a very interesting and useful course for many students."

In addition to public and cable television broadcasts, *The World of Chemistry* is available to colleges and universities that are interested in using the course for basic chemistry credit.

The World of Chemistry was funded by the Annenberg/CPB project.

Fariss Samarrai

World Food Prize Winner to Speak

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ces and the U.S. Department of Agriculture at Beltsville.

Niederhauser graduated from the Cornell University College of Agriculture in 1939. Upon receiving his 1943 doctorate in plant pathology, he was appointed to the staff at Cornell as an assistant professor in the Department of Plant Pathology.

In 1948, he accepted a position with the newly formed Mexico-Rockefeller Foundation Agricultural Program, a project helping to alleviate hunger in food-deficient regions of the world. There he helped develop a Mexican national potato program that stressed applied technologies using seed production technology, better adapted varieties of potatoes with disease resistance, improved agronomic practices, and inexpensive storage systems.

In Mexico, Niederhauser helped the Mexican national program increase potato production from 134,000 metric tons between 1948

and 1952 to more than 1 million metric tons between 1978 and 1982. Potatoes are now an important food crop in Mexico.

Niederhauser then used the same approach to increase potato production and productivity in many countries of Latin America, Asia and Africa while still participating in the Mexican program. This led to the development of the Inter American Potato Program in the late 1950s and the International Potato Program in 1965 with Niederhauser directing both.

In 1971 the success of these international programs led to the establishment of the International Potato Center (IPC) in Lima, Peru. As a member of IPC's staff, Niederhauser developed the regional programs that distinguish IPC today. Then, in 1978, he designed a new strategy for the international transfer of technology. He helped bring together the national potato programs of ten countries in Mexico, Central America, and the Caribbean, with IPC and launched a cooperative program in which

research, training, and the transfer of technology are shared. During the past decade, world potato production has been increasing at a faster rate than that of any other major food crop.

Niederhauser also has made several important advancements toward developing a blight-resistant potato that is unharmed by the late blight disease which devastated the fields of Europe more than 100 years ago.

He also works as food production consultant for the Biosphere II project near Tucson, Arizona. On Dec. 5, eight people will enter this sealed environmental facility and live for two years on the food they produce, including potatoes.

Fariss Samarrai

Campus Senate Elects 1990-91 Executive Committee

At its first meeting of the fall semester, the Campus Senate elected the following people to serve on the Campus Senate Executive Committee during 1990-91:

Chair: Bruce Fretz (Psych.)

Chair-Elect: Gerald Miller (Chem. Biochem.)

Executive Committee

Faculty: Marvin Breslow (Hist.); Joel Cohen (Math.); James Grunig (Journ.); Earlean McCarrick (Govt. Pol.); Mary Ann Ottinger (Poult. Sci.); Paul Smith (Math.); Winthrop Wright (History).

Staff: Cynthia Hale (Comp. Sci.); Helen O'Ferrall (Ag. Exp. Sta.).

Undergraduate Student: Denise

Cheung (Govt. Pol.).

Graduate Student: Wendy Ford (Speech Com.).

The following are representatives from the College Park campus to the Council of University System Faculty: Richard Farrell (Hist.), chair, Council of University System Faculty; Steven Barkin (Journ.); Paul Green (Math.); Earlean McCarrick (Govt. and Pol.); Barbara Meeker (Soc.); and Alan Pasch (Phil.).

The next Campus Senate meeting will be held on Monday, Oct. 22 from 3:30-6:30 p.m. in 1026 Reckord Armory.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

Kathryn Costello	Vice President for Institutional Advancement
Roz Hiebert	Director of Public Information & Editor
Linda Freeman	Production Editor
Brian Busek	Staff Writer
Lisa Gregory	Staff Writer
Tom Otwell	Staff Writer
Fariss Samarrai	Staff Writer
Jennifer Bacon	Calendar Editor
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Stephen Darrou	Layout & Illustration
Chris Paul	Layout & Illustration
Al Danegger	Photography
Pia Uznanska	Production Intern
Michael Yuen	Production Intern
Peter Zuckarnain	Production Intern

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Teleconference to Discuss Responses to Racial Harassment

The Department of Resident Life, the Office of Human Relations and the university's Police Department are sponsoring a viewing of the National Teleconference on Campus Responses to Racial Harassment and Intimidation on Friday, Oct. 5 from 11:30 a.m. to 3:30 p.m. in the Non-Print Media section of Hornbake Library. The purpose of the viewing is to learn how other campuses are responding to such incidents, assess what is currently being done at College Park and consider what may need to be done in the future. For information call Julie Nilan at 314-7608.

NEWS

Educational Program on Sexual Harassment Developed for Campus Community

In an effort to inform the campus community about the nature of sexual harassment, "The Sexual Harassment Education Resource Manual" has been developed by Gladys Brown, director of the Office of Human Relations. The manual will be used to advise vice presidents, deans, directors and department chairs of legal and professional responsibilities to prevent and resolve incidents of sexual harassment.

As part of this new program, the Office of Human Relations in cooperation with university's legal staff is also offering a Sexual Harassment Education Workshop for vice presidents, deans, directors and department chairs. The workshops will be held Oct. 9, 10, 17, 18, 23 and 25 in Room 2128 of the Lee Building from 9:30 to 11:30 a.m. Registration is required.

According to Brown, who developed the manual and educational programs with the support of Vicky Foxworth and Michael

Powell of the Office of Human Relations, sexual harassment is a violation of federal law and may violate the civil and criminal laws of the state.

The university, its agents, supervising employees, employees and students shall be held liable for their acts of sexual harassment and are subject to appropriate university disciplinary action and personal legal liability.

Sexual harassment is defined as an unwanted sexual advance or an unwelcome request for sexual favors.

It is also defined as other behavior of a sexual nature where submission to such conduct is made whether explicitly or implicitly a term or condition of an individual's employment or participation in a university-sponsored education program or activity; submission to or rejection of such conduct by an individual is used as the basis for academic or employee decisions affecting that individual; and such

conduct has the purpose or effect of unreasonably interfering with an individual's academic or work performance, or of creating an intimidating, hostile, or offensive educational or working environment.

According to Brown, the university's new manual and educational program is unique in the nation, with only the University of California at Irvine having a similar manual but no educational programs.

"This is an exceptional accomplishment for the university," she said.

Educational workshops are scheduled for students on Oct. 16 from 1 to 3 p.m. in Room 1102 of the Stamp Student Union and on Dec. 5 for staff from 10 a.m. to 12 noon in the same location.

Future plans also include a poster campaign and the distribution of informational brochures.

For more information call 405-2838.

Lisa Gregory

Graduate School Lecture Series To Feature Many Perspectives on Evolution

Leading experts in physics, zoology, philosophy, music and sociology will visit the university this year to discuss evolution as part of the Graduate School's Distinguished Lecture Series.

The series will begin with Frank Shu, an astronomer at the University of California at Berkeley, presenting a lecture on "Evolution of the Material Universe" at 3:30 p.m. Oct. 10 in the Physics Lecture Hall. Shu is considered the world's foremost expert on star formation. He is currently at work on a comprehensive theory of how interstellar medium, the material out of which stars form, collects itself into bodies.

On Nov. 7, Alan Guth, of the Center for Theoretical Physics at MIT, will present a lecture on "Evolution of the Early Universe." The lecture begins at 3:30 p.m. in the Physics Lecture Hall. Guth is a leading scholar in cosmology. He has developed the "inflationary" scenario for the evolution of the universe.

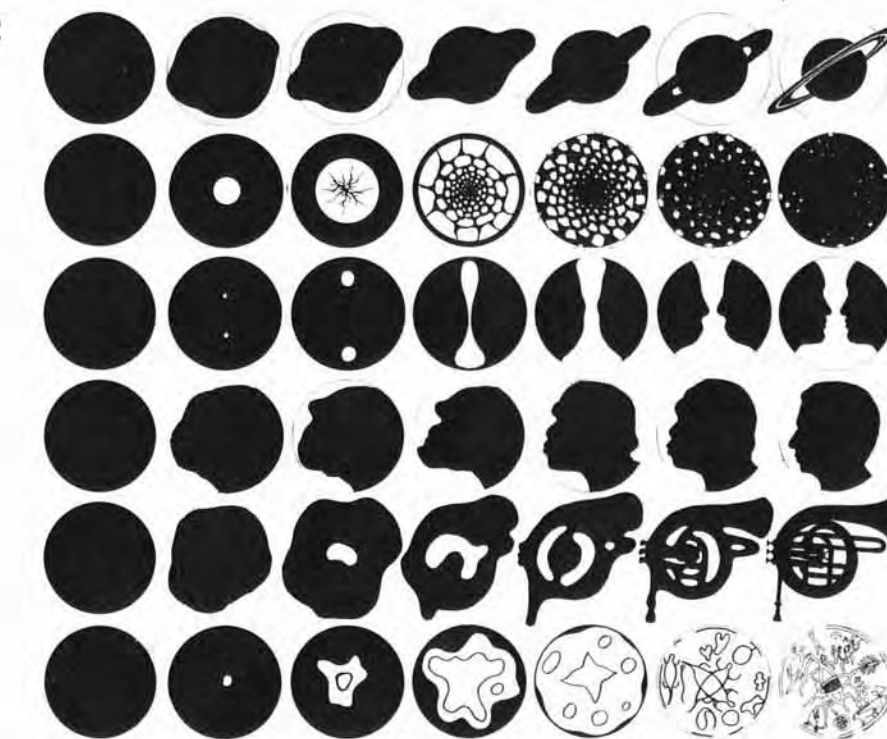
Richard Dawkins, a zoologist at Oxford University, will present a

lecture at 3:30 p.m. March 6 in the Art/Sociology Auditorium on the Evolution of Human Behavior. Dawkins has helped popularize scholarship in sociobiology through his books, *The Selfish Gene* and *The Blind Watchmaker*.

Philip Kitcher, a philosopher at the University of California, San Diego, will present a lecture on "The Evolution of Darwinian Thought" at 3:30 p.m. April 4 in the Art/Sociology Auditorium. His work has focused on understanding the foundations of evolution biology and their implications for an understanding of human beings and their social structures.

Christopher Hogwood, of the Academy of Ancient Music in London, will present a lecture on the "Evolution of the Chamber Orchestra" at 3:30 p.m. April 17 in the Art/Sociology Auditorium. Hogwood, founder of the academy, is a top scholar in 18th century music and a pioneer in advocating the contemporary use of period instruments.

The series will conclude with a lecture by Henry Gates, of Duke



University, on "The Evolution of Afro-American Studies" at 3:30 p.m. in the Art/Sociology Auditorium. Gates, a MacArthur Fellow, is a leading scholar of African and African-American literature and literary criticism.

An additional lecture may be scheduled in February.

Lecture series logo by Dillworth Design.

BSOS to Conduct Noontime Monthly Seminars

This fall the College of Behavioral and Social Sciences (BSOS) will conduct an ongoing faculty seminar, called "First Wednesday Social Science Seminars." The seminars will be held the first Wednesday of each month and will focus on faculty research and scholarship in the behavioral and social sciences. The seminars include: "The Status of the Maryland Economy" by Mahlon Straszheim, pro-

fessor and chair of the Department of Economics on Oct. 3; "The Chaotic Dynamics and Its Relevance to the Social and Behavioral Sciences" by James Yorke, professor and director of the Institute for Physical Science and Technology on Nov. 7; and "Violence Prevention: Interrupted Time Series Experiments on Gun Control," by Colin Loftin and David McDowall of the Institute of Criminology and Criminal Justice

on Dec. 5. The seminars will take place from 12 to 1:30 p.m. in the Dean's Conference Room, 2141 Tydings Hall. All faculty and staff are invited to attend, bring a bag lunch and participate in the discussion. Soft drinks will be provided by the college. For more information call 405-1691.

Graduate School Seeks Applications for NSF Fellowships

The Graduate School is now accepting applications for 1991 National Science Foundation Fellowships. Information and application forms are available in the Fellowship Office, Room 2126, Lee Building, or call Sean Carton at 405-4207.

When it Breaks...Call Roger



Roger Mackubin, Engineering Technician, Winner of the 1990 College of Engineering Staff Service Award.

Roger Mackubin's desk is cluttered with tools, gadgets, and broken equipment—visible signs of his reputation as handyman around the engineering department. "If anything breaks in this building," says Mackubin, "Call Roger. Things that look impossible to everyone else are a challenge to me."

Able to fix anything, from office chairs to sophisticated lab equipment, Mackubin says that his title, "Engineering Technician IX," hardly covers the many varied tasks he performs each day.

A native of Baltimore, Mackubin has been with the Department of Civil Engineering since 1977. In the past thirteen years has assumed a major role in the department. His "official" responsibilities involve the use, maintenance, repair, and general oversight of all undergraduate laboratory facilities in the Department of Civil Engineering. For a number of years, however, Mackubin has expanded his technical duties in the lab to conducting experiments and instructing students in several sections of ENCE 300.

What Mackubin refers to as "helping out" in laboratory instruction actually involves the coordination and supervision of 3-4 weekly lab sessions, plus all labs in ENCE 440. James Colville, department chair,

cites Mackubin's close contact with students as "an instrumental part of the instruction of civil engineering." Matt Witzak, professor, admits that students seek Mackubin's technical advice and support as much as they do any professor.

In addition, Mackubin sees to the needs and space of 80-85 graduate students, training them on new equipment, providing materials and support in research projects, and lending a hand wherever necessary. Faculty members, as well, call on Mackubin's "sound common sense solutions" to issues such as implementation of new equipment, space utilization, and the upgrading of teaching laboratories. It was Mackubin's suggestion, notes Colville, to videotape a variety of lab experiments for students who wish to review their work.

Still, with all of his technical expertise and specialized skills, Mackubin admits that the most enjoyable aspect of his job is a close rapport with students in the department. Beyond lab sections and class-room assistance, Mackubin keeps in touch with students long after they have left Maryland. The wall above his desk displays over a hundred postcards from University of Maryland grad-

uates placed successfully in engineering jobs all over the world.

He is also, as one professor puts it, a "regular" at extra-curricular activities. Mackubin's ingenuity and willingness to help make him a popular participant of student projects and activities, such as the "Concrete Canoe Competition" held each year, or the "Balsa Wood Bridge Design Contest" for University of Maryland and area high-school students. These competitions inspire both creativity and practical application of classroom material in a way that is fun and engaging for students. Says one member of ENCE 300, Mackubin is always able to "make the learning environment more comfortable and enjoyable."

All of this enthusiasm and hard work has not gone unrecognized. Earlier this year, in April, his colleagues, the department chair, and the members of Chi Epsilon Engineering Honor Fraternity nominated Mackubin for the Annual Service Award in the College of Engineering. The letters recommending Mackubin for this honor cite achievements above and beyond the call of duty. Writes one indebted admirer, Mackubin is "the glue which bonds all our undergraduate and graduate laboratory courses together." In the words of another, Mackubin is an "invaluable resource" to the Department of Civil Engineering. "Students and faculty alike seek his frank advice, insight, support, and positive outlook."

Mackubin was honored at the May 1990 Commencement ceremonies with the first Staff Service Award ever given to a non-faculty staff member. What does Mackubin have to say of this distinction and praise?

"It's nice to be appreciated."

Jennifer Bacon

Others Who Help Keep the Wheels Turning in the College of Engineering

In addition to its outstanding faculty, the College of Engineering is fortunate to have scores of other highly skilled and dedicated employees working in non-teaching or research positions. Some 168 classified employees and 15 associate staff members work for the college.

Among them are some of the engineering technicians who help ensure the smooth operation and functioning of sophisticated research and teaching laboratories, the design and fabrication of experimental apparatus, and the maintenance of highly sophisticated equipment.

Charles W. Lessig, Jr., for example, has spent more than a decade associated with the Glenn L. Martin

Wind Tunnel as fabricator, fixer and facilitator.

The Department of Mechanical Engineering relies on the many skills of technicians David W. Hahn, Robert E. Anders, Robert E. Linkins and Anthony J. Calomeris.

Ronald W. Sumner and Shyam Mehrotra provide technical advice and management support for the electronic teaching and research laboratories of the Department of Electrical Engineering, and David B. Evans is the engineering technician assigned to the department's "clean room."

In the Department of Materials and Nuclear Engineering are technicians Milton I. Shapiro and Robert L. Wilson, Jr. and in the Department of Chemical Engineer-

ing, Thomas Baldwin. (Last July, the Board of Regents approved the reorganization which divided the Department of Chemical and Nuclear Engineering into two separate departments.)

The Instructional Television System relies on engineering technician Robert J. Pelletier, video systems technician Carl M. Ronning and Mark Bulla.

Although he is still an undergraduate student, junior fire protection engineering major Frank Hauf serves as the in-house troubleshooter for that department's computer laboratory facility.

Arts Programs for Children

The Art Center in the Stamp Student Union is offering several art programs for children this fall. The center is holding courses for children ages 7-12 in photography through the Photo Outreach Program and in painting and drawing through the Childrens Art Program. The classes are open to faculty families as well as the general public. For information call 314-2787.

ARTS

Lewis Brings Flair to Rockville Cultural Arts Center

For the Rockville Cultural Arts Commission it was a windfall; for Roger Lewis, College Park professor of architecture, it was one of the most unusual challenges of his career.

The commission, which was created to establish a cultural center in Rockville, enjoyed a run of good fortune about nine months ago. A shopping center owner in downtown Rockville provided a gift of 8,000 square feet of space for the project. With a building in hand, the group was able to raise the \$300,000 needed to renovate the space and open an arts center.

The board quickly gave the green light to the renovation project, planning to open the center in the existing building and later, when sufficient funds were raised, constructing an 8,000 square foot addition.

It was left to Lewis to look into the gift horse's mouth.

Lewis was a member of the Cultural Arts Commission at the time of the gift, and his colleagues asked if he would design the center. Lewis accepted the job, stepping down from the board and taking on the role of project architect.

From his new perspective, he saw the opportunity was one laced with challenges.

"What makes it an interesting project is that it's weird. Probably the last thing you'd think of doing is to put an arts center in the basement of a shopping center," Lewis says.

The center, located at 100 East Middle Lane, will open Sat., Oct. 6, with an art show featuring fashion designs as interpreted by artists. It will be the public's first opportunity to see what Lewis has done to transform an irregular space on the ground floor of a shopping center into a home for the arts.

Before Lewis set to work, the building was distinguished by a lack of windows, low ceilings and a facade decorated with ductwork, piping and electrical conduit. In short, it had all the makings of a dark, cramped, anything-but-festive space.

"The design strategy was to turn its physical liabilities into assets, to transform radically its seemingly uninspiring basement and exterior using inexpensive but high impact visual tactics," Lewis says.

Inexpensive was a key word in the equation, considering the relatively limited budget.

In his design, Lewis worked to bring light into the building, organize the space effectively and create an appropriate facade.

To deal with the lack of lighting, new windows were cut into the exterior wall. Lewis set several of the windows in places where they would face long corridors, allowing natural light to penetrate deep into the building. Interior spaces such as artists' studios have windows as well, allowing some natural light to spread throughout the building.

Lewis organized the studio

spaces, classrooms, administrative offices and galleries into a series of continuous loops adjoined by long corridors. Tiles in festive colors and designs are intended to brighten these spaces.

Outside the building, Lewis again used color to enhance the structure and disguise its flaws.

Unadorned, the wall was a collection of functional elements—ductwork, piping, electrical conduit.

Knowing that this wall would someday be covered as part of the project's second phase, Lewis left the hardware in place and painted it into respectability.

"People really wondered whether we could turn this into something wonderful," Lewis says.

Board members say he has.

"I think it's fabulous," says Judy Greenberg, president of the Cultural Arts Council.

"This was a dark basement, and he's opened it up and made it a bright, playful place with a sense of space. He was truly creative with the design," she says.

Brian Busek



Roger Lewis designed a new arts center that will open in Rockville in October.

College Park Faculty to Participate in Smithsonian East Asian Program

College Park faculty members will provide much of the intellectual support for a Smithsonian program on East Asia this fall.

Five College Park faculty members will present lectures as part of the "Introduction to East Asia: China, Japan, Korea" program beginning Oct. 10 at the Smithsonian. The lecture series is part of the Smithsonian Institution's "Campus on the Mall" program. Interested

persons can receive a certificate for attending the lectures.

Bonnie Oh (Undergraduate Studies), Robert Ramsey (Hebrew and East Asian), Thomas Rimer (Hebrew and East Asian), Mark Sandler (Art History) and Roger Thompson (History) are the participating faculty members from College Park.

For more information call 202-357-3030.

On Summer Dance Tour Mayes Helps Carry Torch for Gay Games



Alvin Mayes has been a member of the College Park faculty for 12 years.

No matter that Alvin Mayes didn't even come close to winning a medal during the Gay Games this summer; he was working for goodwill rather than gold.

Mayes, an instructor of dance at College Park, spent the summer touring with "Light of a Different Torch," a dance troupe associated with the world Gay Games, held in Vancouver. The group performed and held dance workshops in cities throughout North America in preparation for the Olympic-style event.

The Gay Games are held every four years and employ many parallels to the Olympic Games. Mayes and six other dancers performed a role akin to the Olympic torch-carrying ceremony, heralding the approach of the games through their artistic involvement in the communities they visited. During the tour, the group danced in Boston, Washington, D.C., Brooklyn, Minneapolis, Seattle and Vancouver.

At each stop, local dancers performed with the group. In addition, the group visited such places as community centers, retirement homes and AIDS hospices in order to conduct workshops.

"Much of our work on the tour was teaching," Mayes says. "That was particularly satisfying. By going into a community and doing something for the people, it helped raise awareness."

Although the "Light of a Different Torch" tour is completed, local audiences will have an opportunity to see Mayes dance in the near future. Along with other area artists, dancers and musicians, he will present a mixed media presentation, "Tapestries," 8 p.m. October 13 at Harmony Hall in Prince George's County.

The piece uses live music, graphic art and dance in a study of the relationship between these three mediums.

Grad School Offers Seminars for Graduate Students

The Graduate School is offering seminars explaining guidelines and regulations governing dissertation and thesis completion for students nearing the end of their graduate degree programs. The seminars remaining this semester will be held Oct. 2, 10 to 11 a.m.; Oct. 26, 2 to 3 p.m.; and Nov. 7, 10 to 11 a.m. Attendance is limited to 30 people per session. To reserve space, call 405-4202.

Gupta Wins Energy Systems Award

Mechanical engineering professor Ashwani K. Gupta is the recipient of the prestigious National Energy Systems Award for 1990.

The award recognizes significant contributions in the broad field of energy systems, specifically those related to the application of engineering sciences and systems engineering to the production, storage, distribution and conservation of energy.

It was presented at the 25th Intersociety Energy Conversion Engineering Conference held in Reno, Nevada in August.

The award citation reads in part: "For outstanding experimental and theoretical work on combustion, pollution control, alternative fuels, optical diagnostics, flowfield modeling and fouling of heat exchangers that has significantly enhanced the broad field of energy conversion and utilization."

The award consists of a medal, certificate of citation and rosette pin.

Gupta was also recently honored for his work in combustion technology receiving the 1987 and

1989 outstanding paper awards presented at the Aerospace Sciences and Joint Propulsion meeting of the AIAA/ASME/SAE/ASEE.

Gupta joined the College Park faculty in 1983 and launched the combustion research program here. His research has focused on developing efficient means of burning today's and future low grade fuels without adverse effect on the environment. Ongoing research includes gas turbine combustion, internal combustion engines, swirling flows, power plants, pollution, heat exchangers and modeling and diagnostics.

In 1986, he was awarded a Doctor of Science degree from the University of Sheffield, U.K. This higher doctorate is conferred upon a graduate with a Ph.D. degree who has a proven record of published high quality original research work and who has distinguished him or herself by substantial international contributions to learning in engineering or applied science.

Gupta is also faculty advisor to the Maryland super-mileage vehicle team which this year came in



Ashwani K. Gupta

sixth out of 24 in a national competition in Kalamazoo, Michigan. The Maryland vehicle powered by a modified Briggs & Stratton two horsepower 109 cc engine went 250 miles on one gallon of fuel. The winning vehicle traveled an extraordinary 951 miles per gallon.

Tom Ottwell

Maryland to Compete in Natural Gas Auto Competition

A university team will be driving a liquefied natural gas-powered car from Norman, Okla. to Detroit next spring.

The university was recently notified that its proposal to compete in the 1991 SAE (Society of Automotive Engineers) Natural Gas Vehicle Challenge was one of 20 accepted. The Challenge, scheduled to begin June 9, 1991, features a road competition between alternative fuel vehicles designed by college and university students from schools in this country and Canada.

Maryland was one of only three schools that proposed using liquefied natural gas (LNG) in their design. Pushing current technology to the limit, the team chose LNG over the more available and more standard compressed natural gas (CNG) because of its purity, space efficiency, and cooling effects.

Most natural gas vehicles use distributor-type ignitions and carburetor style fuel distribution. The Maryland design proposes implementing much more advanced technology through the use of a multi-port type fuel injection system and a computer-controlled spark ignition system.

Baltimore Gas & Electric, which is in the process of testing both LNG and CNG vehicles for its own fleet, has agreed to provide the liquefied natural gas to fuel the Maryland car. The company also will share its alternative fuel vehicle test and evaluation resources with the university team.

The SAE Challenge requires student engineers to convert a production 1990 GMC pick-up truck to operate on natural gas. The primary goal will be to improve

engine performance, fuel economy and low emissions on the truck's 5.7 liter V8 engine. Vehicles will be scored on emissions and design.

The Maryland SAE student chapter's involvement in this project represents a continuing effort to compete in SAE's design competitions for engineering students. Since 1982, Maryland teams have enjoyed an extremely successful record at events such as the Mini-Baja and Formula SAE. Maryland had strong showings at both the

1989 Methanol Marathon and 1990 Methanol Challenge and last summer, The Pride of Maryland was one of three solar-powered vehicles from the GM Sunrayce USA selected by GM to compete in the 1990 World Solar Challenge in Australia this November.

Throughout these events, Maryland has been known for its innovative designs and approaches in the competitions.

Tom Ottwell

Application Deadline Approaches for Biomedical Research Grants

Each year, the National Institutes of Health make a formula-based grant for health-related research to College Park. The university's Biomedical Research Committee, consisting of active research faculty appointed by the Graduate School, then awards these funds to College Park research projects in areas such as biology, chemistry, psychology, or biological applications of other disciplines, such as bioengineering and biophysics. The committee points out that they interpret "health-related" research in broad terms. Support is available for individual research and for central, shared facilities or equipment.

According to the committee, the deadline for submission of support applications is 4 p.m., Oct. 15.

For individual research projects, the committee is seeking applications from young investigators with no major extramural grant support. Preference will be given to

assistant professors with an initial academic appointment date at College Park of June 1, 1985 or later and to proposals that request "seed" money for a research program leading to application for outside support.

Funds should be requested for equipment and supplies that can be purchased this academic year. Applications from tenured faculty must include a full history of grant support.

The committee also intends to devote a portion of the available funds to the purchase of single pieces of equipment for biomedical research.

To be supported, projects must be ones that can be initiated immediately and terminated by March 31, 1991.

Applications must be submitted to Paula O'Keefe, Room 2133B, Lee building. For information call 405-4177.

Environmental Group Seeks Lecturers

During the spring 1991 semester the Coastal and Environmental Policy Program (CEPP) will launch its first series of interdisciplinary seminars on environmental issues, to be held on Thursdays from 4 to 6:30 p.m. on the College Park campus. CEPP would like to hear from faculty members interested in giving talks related to the general theme of "The Policy and Science of Water Quality." Call Susan Hedman, School of Public Affairs, at 405-6330 for details.

F.Y.I.

Temporary Phone Numbers in Effect at McKeldin Library



Having trouble getting a phone call through to McKeldin Library? You're not alone. While virtually all telephones on campus have been converted to the new phone system, those in McKeldin have not,—and confusion reigns.

When you call McKeldin, you need to know that the temporary numbers there all have 403 exchange that will be in use until next January. At that time, after the old part of the building is closed for renovations and the staff and most of the collections are moved into the new addition, the new campus-wide system will also be in effect at McKeldin, including the use of 405 exchange numbers.

Frank Boches of the McKeldin staff suggests that in the meantime, callers should find it helpful to keep in mind the following:

- McKeldin Library currently has temporary numbers, all beginning with a 403 exchange. To reach them from a 405 exchange, dial 80 plus the last four digits.
- Do not leave audex messages for the McKeldin staff; they cannot retrieve them.
- Offices and services in McKeldin are listed under "McKeldin Library" in the interim edition of the Faculty Staff Directory 90/91.
- Campus operators (405-1000) can provide telephone numbers for individuals at McKeldin Library.
- All other libraries on campus are on the new system with 405 numbers.

Temporary Listing for McKeldin Offices

Acquisitions 403-4142	Wilford Devine	Marylandia 403-4147	Peter Curtis
Administrative Services 403-4151	Gary Kraske	Periodicals/Microforms 403-4145	Nancy Caldwell
Catalog Assistance/Information 403-4177		Personnel 403-4156	Ray Foster
Comp. Assisted Research Serv. 403-4177		Photocopy Services 403-4189	Patricia Sweeney
Catalog Management 403-4188	Arlene Klair	Preservation Office 403-4127	Paul Koda
Circulation Services 403-4164	Rebecca Nwude	Public Services Office 403-4184	Danuta Nitecki
Collection Management 403-4191	Desidor Viktor	Rare Books/Lit Manuscripts 403-4147	Blanche Ebeling-Koning
Development Office 403-4210	Mary G. Holland	Reference Desk 403-4177	
Director's Office 403-4140	H. Joanne Harrar	Reserves Desk 403-4170	
East Asia Collection 403-4130	Frank J. Shulman	Special Collections Office 403-4155	Donald Faren
Hist. Manuscripts/Archives 403-4125	Lauren Brown	Technical Services Division 403-4149	Marietta Plank
INFORMATION (hours, regs.) 403-4131		University Archives 403-4125	Lauren Brown
Information Technology 403-4198	Ronald Larsen		
Interlibrary Loan 403-4128	Judith Cmero		

Kudos to...

John Toll, Physics, for being awarded an honorary doctorate at SUNY, Stonybrook, where he was also the commencement speaker last summer.

Roald Sagdeev, Physics, for receiving honorary doctorates from Leicester University (U.K.) and New York University, for winning the UCLA Medal and giving the commencement address there this past summer and for recently being elected Foreign Honorary Member of the American Academy of Arts and Sciences.

Dan Leviton, Health Education, for receiving two three-year grants of \$83,000 from the U.S. Department of Education (not one, as reported in an earlier *Outlook*).

Janet Helms, Psychology, for being the first recipient of an award (named in her honor) for Mentoring and Scholarship in Professional Psychology. The award will be made in February at Teacher's College, Columbia University.

Stuart Kaufman, History, for co-directing "The American Artisan," the second Labor History Symposium of the George Meany Memorial Archives, coming up Oct. 11-12.

Reese Cleghorn, for being elected a Life Member of the National Conference of Editorial Writers at its September convention in Orlando, Florida. The organization has elected only 37 Life Members during its 43-year history.

Golden Key National Honor Society students and their advisor, **Susan Koonce**, for receiving the society's highest honor, the Key Chapter Award, at the group's annual national convention in Aug. The award recognizes the fulfillment of chapter responsibilities and the creation of an environment of achievement and strong leadership at universities. The society has 161 collegiate chapters.

Fall Finance Colloquia Scheduled

The College of Business and Management's First National Bank of Maryland Research Colloquia in Finance are held Friday afternoons from 1 to 2:30 p.m. in 2102 Tydings Hall. Upcoming speakers in the ongoing series include:

- Oct. 12,—Asli Demircuc-Kunt and Ishak Divan, the World Bank, "The Menu Approach to Developing Country External Debt: An Analysis of Commercial Banks' Choice Behavior;"
- Nov. 2,—Douglas Diamond, University of Chicago, "Disclosure, Liquidity and Cost of Capital;"
- Nov. 9,—Arthur Raviv, Northwestern University, "A Synthesis of Capital Structure Theory;"
- Nov. 16,—Barry Schachter, Tulane University, topic TBA;
- Nov. 30,—Rene Stultz, Ohio State University, topic TBA and
- Dec. 7,—Ken Lehn, SEC, "The Effect of Institutional Ownership of Equity on Stock Market Liquidity."

For further information call Haluk Unal at 405-2256.

CALENDAR

A Journey Through Musical History

This week marks the beginning of the University Community Concerts' "Olde Musicke Series," a sequence of seven performances throughout the 1990-91 season featuring samples of 1000 years of music, from the Middle Ages to the Age of Beethoven. The series will highlight masterpieces from the Renaissance, the Baroque Era, and the Classical and Romantic Periods, using the kind of instruments the composers themselves used, performed by outstanding musicians from the United States and Europe. For further information, call the University Community Concerts office at 403-4239.



OCTOBER 1-10

1 MONDAY

Art Gallery Exhibition: "Trouble in Paradise," today-Oct. 26, The Art Gallery, Art/Soc Bldg. Call 5-2763 for info.

Campus Recreation Activities Registration, Mon.-Thu. 8:30 a.m.-6 p.m., Fri. 8:30 a.m.-4:30 p.m., 1104 Reckord Armory. Call 4-7216 for info.

Study Skills Workshop, 3-4:30 p.m., 2201 Shoemaker Bldg. Call 4-7693 for info.

Computer Science Colloquium: "The UNIX System and Software Productivity," featuring Brian Kernighan, AT&T Bell Laboratories, reception, 3:30 p.m., 1152 A.V. Williams Bldg., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Horticulture Seminar: "Modified Atmosphere Packaging Films for Horticultural Crops," featuring Donald Schlimme, Horticulture, 4 p.m., 0128 Holzapfel Hall. Call 5-4630 for info.

Space Science Seminar: "Formation of Spherical Shell Distribution by Cometary Ions in the Solar Wind: Theory and Observations," L. F. Ziebel, Universidade Federal do Rio Grande do Sul, Brazil, 4:30 p.m., 1113 Computer and Space Sciences Bldg. Call 5-4829 for info.

SEE Productions Open House, 5-6 p.m., 1104 Stamp Student Union. Call 4-8342 for info.

Guarneri Open Rehearsal, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

Women's Studies Lecture: "Voices of Consciousness: The Emergence of African American Women's Leadership," featuring Bernice Johnson Reagon, National Museum of American History, 8 p.m., 2203 Art/Soc Bldg. Call 5-6877 for info.

2 TUESDAY

Employee Development Seminar: "Employee Relations and the Supervisor," 9 a.m.-4 p.m., registration, 8:45 a.m., 1152 A.V. Williams Bldg. Call 5-5651 for info.

Institute of Applied Agriculture Picnic Lunch, 11 a.m.-2 p.m., lawn of Jull Hall. Call 5-4686 for info.

Physics Colloquia: "Physics of Earthquake Faults," featuring James Langer, U. of California at Santa Barbara, 4 p.m., 1410 Physics Bldg., reception & tea, 3:30 p.m. Call 5-5980 for info.

3 WEDNESDAY

Employee Development Seminar: "English Refresher," today and tomorrow, 9 a.m.-4 p.m., 1143 Stamp Student Union. Call 5-5651 for info.

Faculty Seminar: "The Status of the Maryland Economy," featuring Mahlon Straszheim, Economics, noon-1:30 p.m. (bring brown-bag lunch), 2141 Tydings Hall. Call 5-1689 for info.

Women's Soccer vs. U.M.B.C., 1 p.m., Soccer Field. Call 4-7064 for info.

Zoology Lecture: "A Search for Markers of Lens Determination in Chicken Embryos," featuring Charles Sullivan, Biology, Grinnell College, 3 p.m., 1208 Zoo/Psych Bldg. Call 5-6922 for info.

4 THURSDAY

Meteorology Seminar: "Modeling the Tropical Stratosphere," 3:30 p.m., 2114 Computer and Space Sciences Bldg., refreshments, 3 p.m. Call 5-5392 for info.

University Community Concerts, featuring Sequentia, program TBA, 8 p.m., pre-concert seminar, 6:30 p.m., National Presbyterian Church, \$17 standard admission, \$14 students and seniors. Call 80-4239 for info.

5 FRIDAY

Geology Seminar: "Modification of Appalachian Compressional Crust by Mesozoic Extension: The Importance of the Lower Crust," featuring David Stewart, U.S. Geological Survey, Reston, VA, 11 a.m., 0105 Hornbake Library. Call 5-2783 for info.

Student Affairs Family Weekend, reception, activities, and entertainment, today 2-10 p.m., tomorrow 8 a.m.-4 p.m., Prince Georges Room, Stamp Student Union. Call 4-8431 for info.

"Lunch n' Learn" Mental Health Lecture: "Treatment of Female Sexual Dysfunction," featuring



Benjamin Bagby and Barbara Thornton, co-directors of Sequentia, return to University Community Concerts this fall with a program devoted to Medieval Europe's earliest written polyphonic music. Thursday, October 4th at 8 p.m., at the National Presbyterian Church. Call 403-4239 for information.

Naomi Kolko, counselor, 1-2 p.m., 3100E Student Health Center. Call 4-8106 for info.

Microbiology Seminar: "Phage-like Characteristics of Herpes Virus Capsid Assembly," featuring Alasdair Steven, NIH, 3 p.m., 1207 Microbiology Building. Call 5-5435 for info.

Episcopal Campus Ministry Graduate Student & Faculty Gathering: "Christianity and Creation," featuring David Sammons, Agriculture, 5 p.m., St. Andrew's Parish Hall. Call 5-8453 for info.

6 SATURDAY

Women's Volleyball vs. N.C. State, 1 p.m., Cole Field House. Call 4-7064 for info.

UM Football vs. Georgia Tech, noon, Byrd Stadium. Call 4-7064 for info.

University of Maryland Orchestra Concert, Daniel Heifitz, violin, 2 p.m., Kennedy Center Concert Hall. Call 5-5548 for info.

University Community Concerts, featuring The Cleveland Quartet, program TBA, 8 p.m., pre-concert seminar, 6:30 p.m., Memorial Chapel, \$17 standard admission, \$14.50 students and seniors. Call 80-4239 for info.

7 SUNDAY

Women's Volleyball vs. Tennessee, 1 p.m., Cole Field House. Call 4-7064 for info.

Women's Volleyball vs. Akron, 4 p.m., Cole Field House. Call 4-7064 for info.

8 MONDAY

Art Gallery Exhibition: "Trouble in Paradise," today-Oct. 26, The

Art Gallery, Art/Soc Bldg. Call 5-2763 for info.

Institute for Advanced Computer Studies Symposium: "Frontiers '90," today-Oct. 10, Center of Adult Education. Call 5-6722 for info.

Returning Students' Workshop: Exam Skills, 2-3 p.m., 2201 Shoemaker Hall. Call 4-7693 for info.

Computer Science Colloquium: "Quantum Cryptography," featuring Charles H. Bennett, IBM Research, reception, 3:30 p.m., 1152 A.V. Williams Bldg., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Horticulture Seminar: "Regulation of Vegetable Growth in Peaches Through SOD Management," featuring Mike Newell, Wye Research and Education Center, Queenstown, MD, 4 p.m., 0128B Holzapfel Hall. Call 5-4356 for info.

Zoology Seminar: "The Roles of Host Plant Phenology and Nectar Chemistry in the Ecology and Evolution of Hummingbird Flower Mites," featuring Robert K. Colwell, Ecology & Evolutionary Biology, 0200 Symons Hall. Call 5-6922 for info.

9 TUESDAY

Sexual Harassment Education Workshop, for vice presidents, deans, directors, and department chairs, today and tomorrow, 9:30-11:30 a.m., 2118 Lee Bldg. Call 5-2837 for info.

Zoology Seminar: "Ecology, Evolution, and Hybridization Among Admiral Butterflies," featuring Austin Platt, Biology, UMBC, noon, 1208 Zoo/Psych Bldg. Call 5-6887 for info.

Art Department Minorities & Women Lecture, featuring Valerie Maynard, painter,

sculptor, printmaker, 3 p.m., 1309 Art/Soc Bldg. Call 5-1442 for info.

Writers Here & Now Reading, featuring Roland Flint, poet, 3:30 p.m., 3101 McKeldin Library (Katherine Anne Porter Room). Call 5-3819 for info.

Committee on the History and Philosophy of Science Colloquium: "Theories of the Origin of the Solar System," featuring Stephen Brush, 4 p.m., 1410 Physics Bldg. Call 5-5691 for info.

10 WEDNESDAY

Employee Development Seminar: "Effective Proofreading," 9 a.m.-4 p.m., Stamp Student Union. Call 5-5651 for info.

Zoology Seminar: "Sex and the Single Cell: Hormonal Modulation of the Electrical Activity in a Weakly Electric Fish," featuring Harold Zakon, Zoology, U. of Texas, 3 p.m., 1208 Zoo/Psych Bldg. Call 5-6884 for info.

Graduate School Distinguished Lecture: "Evolution of the Material Universe," featuring Frank Shu, Astronomy, U. of California at Berkeley, 3:30 p.m., 1412 Physics Bldg., wine & cheese reception to follow. Call 5-4258 for info.

Women's Volleyball vs. George Mason, 7 p.m., Cole Field House. Call 4-7064 for info.

Architecture Lecture, featuring Witold Rybczynski, McGill U., 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

* Admission charge for this event. All others are free.

